

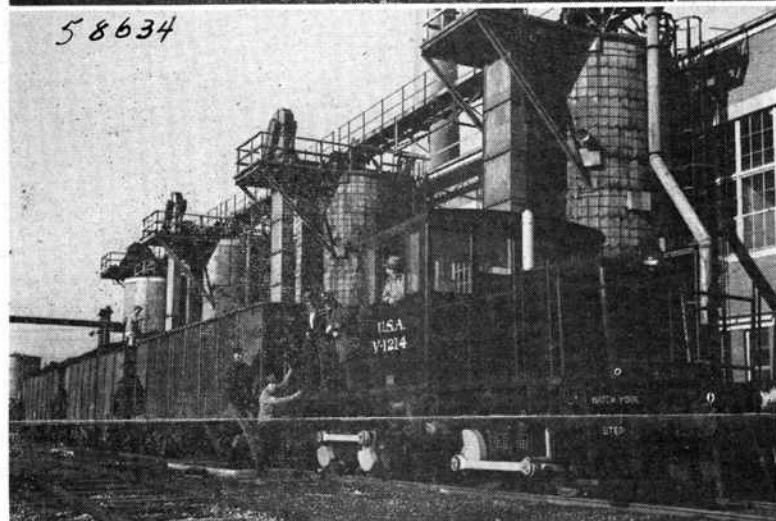
# Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 2, No. 49 58631

OAK RIDGE, TENNESSEE 58630

Tuesday, December 7, 1948



Y-12 Photos By Vince Moore

THE "C.P. & B. RAILROAD" (COAL PILE AND BACK RAILROAD) and its crew and equipment are shown above in operation last week as the Y-12 maintenance forces assumed command of all switching and freight hauling in the area. The top left picture shows, from left to right, Graham Boggs, H. D. Castleberry, Avery Kindig, George Howard, C. B. Hopkins, Guard J. P. Seagle, and Engineer E. V. Moneymaker. "Casey Jones" Moneymaker is shown at top right, giving the old toot before rounding the bend. The bottom picture was taken just before the train "pulled out" with three coal cars. Shown from left to right are H. D. Castleberry, Graham Boggs, George Howard, C. B. Hopkins, J. P. Seagle, and E. V. Moneymaker.

## Y-12 Operation Of 'C. P. & B.' Railroad Replaces Old Service

The Y-12 Maintenance Division employees have taken over the railroad switching operations in the Y-12 plant area of all car hauling that previously was handled by the Louisville & Nashville Railroad. A 45-ton Diesel electric locomotive made by General Electric was obtained from the Atomic Energy Commission for use in the new railroad operations. It is powered by two 150-horsepower motors and requires a crew of one engineer and two brakemen. The engineers and brakemen alternate on a shift basis. Road Already Has Name

The "C. P. & B. Railroad" (Coal Pile and Back Railroad) as the Y-12 trackage was immediately nicknamed by the Y-12 operating personnel, will be in operation seven days a week during the winter months when the steam plants will need to be supplied with coal daily and approximately four days a

(Continued on Page 2)

## Trees Planned For Area Surrounding Steam Plant

Approximately 180 trees and 200 shrubs are to be planted in a plan to improve the area immediately surrounding the central steam plant and adjacent facilities, such as railroad sidings and coal storage piles, situated at Administration Road and the Oak Ridge Turnpike.

The work will begin after a contract has been signed by the Atomic Energy Commission and 100 days will be allowed for completion of the work.

The Southern Nurseries Landscaping Co. of Knoxville submitted the low bid of \$4680.40 for the work.

## TELEVISION SPREADING

Another television network linking New York with St. Louis, and including most of the major cities in between, is scheduled to begin operation sometime during the month of December. The announcement of the new network was made in New York by J. P. Poppele, president of the Television Broadcasters Association.

## Tonight Is Deadline For Slide Contest

Tonight is the deadline for entries in the Carbide Camera Club's December color slide contest on landscaping. The entries will be judged at the December 14 meeting of the club.

The entries may be left at the home of Virgil Haynes, 114 East Holston Lane, or at Taylor's Photo Shop in Oak Ridge.

The annual election of officers is scheduled for the December 14 meeting. Those nominated for president include Harry Bainbridge and Don Ross from Y-12, and Paul Vanstrum of K-25.

Vice-presidential nominations went to Nat Stetson and Virgil Haynes from Y-12, and L. T. Adams of K-25. Frank Neil, Gilbert Melten and John Ramsey, all of Y-12, were nominated for the office of secretary-treasurer of the club.

## Principal Speaker Announced For Metals Society Meeting

The Oak Ridge Chapter of the American Society for Metals will have O. J. Whittemore, Jr. as its principal speaker for the December 8 meeting at 8 p.m. in the West Lounge of Ridge Hall.

Whittemore is a member of the research staff of Norton Co. He will speak on high temperature refractories.

The speaker received his technical education at Iowa State College and at the University of Washington. He has done refractories research and testing at the Mellon Institute in Pittsburgh, Manhattan Project at Massachusetts Institute of Technology, and since 1946 has been engaged in his present position of conducting refractories research and development for the Norton Co.

## Proper Wearing Of Badges By Y-12 Employees Part Of Security Rules Required For Protection Of Nation

One of the most vitally important items of equipment issued to each Y-12 employee at the beginning of his or her duties in the plant is the identification badge. It is a token of loyalty on the part of the wearers, signifying they have received clearance for their work in this atomic energy project after thorough investigation by proper authorities.

Proper wearing and display of badges by all employees constantly is stressed by the Y-12 Security Office. Different types of badges are issued for admittance to various Y-12 areas in carrying out the regulations limiting presence in certain territory to such persons who have business there and restricting employees whose duties do not require their presence in such sections of the plant.

### Needed For National Security

Such regulations are deemed necessary to national security requirements so that unauthorized persons may not enter work areas where they might obtain information they are not entitled to have under provisions of their clearance for employment in Y-12. In carrying out these regulations, Supervision is constantly on the alert to check persons not regularly employed in their areas to determine if such persons are entitled to be in that vicinity.

These checks easily are made when all employees properly wear their allotted badges in plain view so that the identification of the wearer may be determined at a glance. Guards are instructed to stop all employees not wearing their badges in sight and require that the identification be produced.

### Should Be Proud Of Badges

The Security Office has pointed out that all employees should be proud to wear their badges where they can be plainly seen at all times. The badges are issued as a matter of protection both to the employee and the plant itself and only after an investigation into the past associations, loyalty and other attributes of the employee has shown the wearer worthy of the honor.

The present badges used in Y-12 are easy to wear in a manner to satisfy the regulations covering adequate display. They easily clip onto a coat lapel or to portions of women's wearing apparel without causing garments to tear.

### Some Carelessness Noted

Certain carelessness has been noted on the part of some employees in protecting their badges. For instance, it is pointed out that a badge on a coat placed on a coat hanger or wall is a dangerous practice in that it violates the regulation requiring the badge to be worn on the person of the employee at all times they are in the

(Continued on Page 3)

## Applications Pour In For Children's Party

From the number of applications already received for tickets, Old St. Nicholas, alias Santa Claus, will peer into hundreds of bright little eyes of children of Y-12 employees at the Christmas party to be given by the Recreation Office for these youngsters between 10 a. m. and noon, Wednesday, December 22, at the Ridge Theater, corner of Georgia Ave. and Broadway.

Nearly 150 requests for tickets had been received at the Y-12 Recreation Office, North Portal, by last Thursday afternoon and every incoming mail increased the total. Parents who have not yet filed their application are urged to do so immediately, using the blank published on Page Three of this issue of The Y-12 Bulletin.

### Party Primarily For Children

The party is being staged particularly for children between the ages of two and 10 years whose parents are employed at Y-12. If parents, in filling out the application blank for tickets, believe it advisable or necessary to accompany the youngsters to the party, they are asked to indicate this fact on the space provided in the application blank.

Arnold Tiller, Y-12 Recreation Supervisor who is making arrangements for the party, has stated that mailing of the tickets requested for the party will begin this week. The tickets will be mailed to the home address of the employees requesting them.

### Youngsters To Get Gifts

Youngsters attending the party will receive a stocking from Santa Claus containing candy, an apple, an orange and a toy. Appropriate moving pictures will be shown and Christmas carols sung.

Meanwhile, plans for the Y-12 Christmas dance-party for adults are rapidly being completed. This affair will be staged at the Oak Terrace ball room, beginning at 9 a. m., Thursday night, December 23, and continuing until 1 a. m.

Tickets for the dance-party will be placed on sale within the next few days throughout the plant. They will sell for \$1 per person, including tax.

## Season Of Common Colds May Be Approaching; Common Sense Is Urged To Avoid Consequences

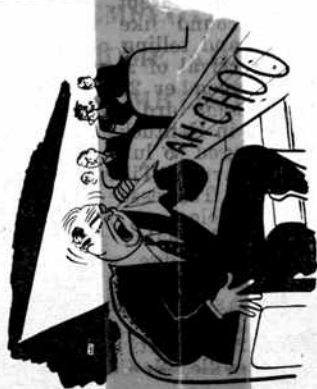
Despite all the beautiful Indian Summer weather of the past several weeks here in East Tennessee, it probably won't be long now until the dreary days of rain and snow will replace the sunshine and warmth. Accompanying the dampness and slushy underfooting will come the open season for that bane of humanity—the common cold—with its sniffles and discomforts when the victim turns from being afraid he might die to being afraid he won't die.

There is no doubt about it—the ordinary cold is a mighty unpopular visitor. Such unpopularity real-

ly is deserved. Statistics reveal that this common infection causes more time lost from work and play than any other disease or, for that matter, any combination of infectious diseases.

The actual cause of colds is uncertain, but it is thought to be one or more viruses—disease agents so small they cannot be seen under an ordinary microscope and which can pass through the finest filters yet made. Medical science is waging a constant war against this public enemy but, at present, no "sure cure" or prevention

(Continued on Page 3)



## Nation's Number Of Doctors Grows

News dispatches from Chicago declare there are 17 per cent more doctors in the United States today than in 1940 while the population of the nation has increased only 12 per cent.

Frank G. Dickenson, director of the American Medical Association's Bureau of Medical Economics research, has estimated that there are 199,755 physicians now listed in the country as against only 170,000 in 1940.



# Y-12 Bulletin

Published Weekly By  
Carbide And Carbon Chemicals  
Corporation  
Post Office Box P

Oak Ridge Tenn.

GEORGE W. DOBBS . . . Editor  
R. A. BURGIN, JR. . . Associate Editor

## OFFICE

North Portal, Bldg. 9701-1  
Telephone 7-8252

## Elam Is Board Member Of Family Service Body

W. O. Elam, a captain in the Y-12 Fire Department, has been appointed to the board of directors of the Oak Ridge Family Service Bureau. He is one of three recent appointees, the others being Edward Bettis and Dr. William Hardy, and the only Y-12 employee on the group.

At the next regular meeting of the board, scheduled for 8 p.m., Tuesday night, December 21, at the City Administration Building, the three newly appointed members will draw lots to determine the length of their terms. The terms are for one, two and three years and the procedure will enable the board to retain its present practice whereby the terms of one-third of its membership expire each year.

A special meeting of the Family Service Bureau board has been called for 8 o'clock tonight, Tuesday, December 7, in the City Administration Building.

In addition to Elam, Bettis and Dr. Hardy, other members of the board include George A. Rothery, chairman; Luke E. Banker, Mrs. Max Bredig, Miss Laura S. Breese, Mrs. Waldo Cohn, Dr. Jean S. Felton, Dr. Agnes N. Flack, the Rev. Francis McRedmond, Albert J. Metzger, Robert Officer, Glen W. Silvia, William G. Woolum and Mrs. Frank W. Wuest.

## Christmas Tree Sale Begins December 16 In Oak Ridge

The Oak Ridge Junior Chamber of Commerce's annual Christmas tree sale will begin on December 16. Holly and mistletoe also will be sold by the group in the parking lot north of Jackson Square.

Many Y-12 employees who are members of the Jaycees will take part in the sale. They include A. K. Bissell, Louis Gilpatrick, John Harding, Jim Keeton, Homer Hunter, Gordon Lindner, Russell Ralston, Clarence Johnson, Sylvester Nulle, Nick ZaBenco, Leo Hemphill, Ward Foster, Joe Gill, Cliff Henderson, Fred Hurst and Don Matlock.

The Jaycees have announced that Bob Bennett, Dept. H12D, has joined the organization. Don Matlock is in charge of the program for the regular meeting set for 7:30 p.m. Wednesday at the Jayce clubhouse on the Oak Ridge Turnpike.

## FISHING ROD ALARM

"Alarm rods," fishing rods that ring a bell when the fish bite, have been patented by an Eastern man. Equipped with gaff hooks on their tips to simplify landing of large fish, they have wooden handles and metal shafts. The angler need not hold the reel after casting as when a fish strikes a spring releases a liberal length of line for a sporting run.



Four births were reported to Y-12 families at the Oak Ridge Hospital last week. Parents were Mr. and Mrs. Jack Holt, a boy, on November 26; Mr. and Mrs. Wilfred T. Ward, a boy, on November 26; Mr. and Mrs. Evan W. Means, a girl, on November 29, and Mr. and Mrs. Wilfred O. Elam, a boy, on November 30.



Mr. and Mrs. J. H. Currin



## CURRIN - HITT

Miss Onida W. Hitt, a Roane-Anderson Co. employee, became the bride of Joseph H. Currin, Dept. B12H, at 2 p.m. November 20, at the Chapel-On-The-Hill in Oak Ridge. The Rev. Stewart Rule performed the ceremony.

The bride is the daughter of Mr. and Mrs. Walter Hitt, of State Springs, Miss. Currin is the son of Mrs. C. L. Currin, of Lillingston, N. C., and the late Mr. Currin.

The bride wore a white satin gown with a sweetheart neckline and fitted sleeves. She carried a prayer book and white gardenias.

Miss Evelyn Ray, maid of honor, wore a light blue taffeta gown with a sweetheart neckline. She wore yellow carnations. John Stewart, of Dept. B12H, was best man. Ushers were Roy McKnight and Al Cumbler.

Miss Hitt was given in marriage by her brother, Parker Hitt, of Waycross, Ga., and during the ceremony Mrs. L. H. Bishop sang "I Love You Truly" and "Because". She was accompanied on the organ by Mrs. Kenneth E. Ross.

Out-of-town guests were Mr. and Mrs. Edsel Hitt and Mr. and Mrs. Parker Hitt, both of Waycross, Ga. The couple went to Virginia Beach on their honeymoon.

## BECKNER - UPCHURCH

Miss Magaline Upchurch, a Y-12 employee in Dept. B13L, became the bride of Pfc. Herbert Beckner, stationed at Camp Gordon, Ga. The wedding took place in Rossville, Ga., at 4 p.m., November 13. Herman Bowman, mayor of Rossville, performed the ceremony.

The bride is the daughter of Mr. and Mrs. Perry Upchurch, of Jamestown, Tenn. Beckner is the son of Mrs. Stella Beckner, of Knoxville, and the late Mr. Beckner.

At her wedding the bride wore a light blue suit with brown accessories and a corsage of red rose buds.

Oradean Upchurch, sister of the bride, also a Y-12 employee in Dept. M12M, was matron of honor. Haig Johnson was best man.

Following the ceremony a reception was held at Grove Center in the Starlite Room.

## Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital last week: Lloyd A. Tolliver, Dept. B12C; Alvin K. Bowles, Dept. A13N; Helen L. Grady, Dept. H12D; Charles R. Hunt, Dept. A13N; Leon C. Taylor, Dept. A13N; Frances N. Skeen, Dept. B13L; Juanita W. Moore, Dept. B12L; Wiley Cook, Dept. A13N; Leonard R. Bledsoe, Dept. A16N; William S. Herron, Dept. B12C.



Beulah Ailor, of Dept. A12S, is vacationing at her home in Maynardsville . . . The department extends sympathy to Polly Arnold over the recent death of her aunt in Morristown. Polly attended the funeral services November 30 and also visited friends in Johnson City and Erwin during her absence.

Evelyn Hammond, Dept. H12L, visited old surroundings when she attended Homecoming Week at Berea College, Berea, Ky.

Dept. A20N reports T. S. Moody is spending a one-week vacation hunting the elusive Bob White (quail, that is) . . . J. T. Thomas has gone to Alabama for two weeks and A. D. Cotton is spending a week vacation in Mississippi.

Briceville, Tenn., has the "welcome back home" sign out for Madalyne Tackett, who is spending a two-week vacation at her home there.

Y-12 Fire Chief John W. Hughey is resting up from his recent fire chief's meeting in Miami by vacationing this week in Memphis . . . J. P. Jones also is on vacation this week.

Guard Dept. Capt. H. L. Dickenson is spending his vacation hunting in Georgia and Tennessee . . . Assistant Chief Wynn O. Watson, meanwhile, is taking his vacation rest period just loafing around Oak Ridge . . . Lloyd Campbell is the proud father of a son born in the Harriman Hospital November 22 . . . P. C. Dabbs (is he really that old?) is a proud grandpa, parents being Mr. and Mrs. Robert Hentz, former Y-12 employees. The father now is attending the University of Notre Dame, South Bend, Ind.

L. P. Twichell, Dept. H12D, had guests from Central Illinois during the Thanksgiving holidays . . . Roy Williams spent a varied week end, dividing time between his family in Crosby, Tenn., and also hunting wild boar in that vicinity.

R. G. Orrison, Dept. B12A, was among the spectators at the Auburn-Alabama football revival at Birmingham last Saturday on a side trip from Anniston, Ala., where he is vacationing . . . N. C. "Red" (bank it in the corner pocket) Wiest is seeking bigger game than the little colored balls this week as he is taking to the forests near Tellico Plains . . . Mary Lou Pate had as a week-end guest her sister, Mrs. Willard Petway, of Paducah, Ky.

Earline and George Banic, Dept. B12L, are back from a vacation spent in Greenville, Pa. . . Jincy Dings also is back after spending a vacation in West Point, Miss. . . Cookeville, Tenn., is all the brighter this week, as Mary Roberson is spending her vacation at home there . . . L. A. Stevens and family are vacationing at Chattanooga . . . Katherine and Leon Love dipped into the Deep South for their vacation at Meridian, Miss., with her folks. They also visited Katherine's sister, Ruth Holland, a former Y-12 employee who now lives in Memphis . . . Edgar Caldwell struck out in the opposite direction to spend his vacation at his Danville, Ky., home . . . Nell and Jim Charles were among the Tennessee mourners at the Vandy-Vol football game in Nashville.

Dept. B13L welcomes Helen Hicks back to work after a seven-week absence . . . J. L. Heatherly is on vacation . . . Bill Harmon is likewise . . . Frances Skeen is recovering from an appendectomy and receiving get well wishes from her fellow employees.

Evan Means, Dept. A14N, is strutting around like the proud papa he is and telling one and all about the arrival of a new daughter born November 29 . . . Virgil Lovett did some bird hunting while on vacation in Kentucky . . . Frank Darby managed to lure Recreation Supervisor Arnold Tiller to Nashville for the Tennessee-Vanderbilt gridiron debacle . . . M. C. Gore and Clayton Hattnaker spent vacations in Oak Ridge while J. D. Wallace decided to see what was on the other side of the mountains in North Carolina.

Dept. H12D reports Ray Buston visited Asheville, N. C., and John-



MISS OAK RIDGE, BILLY JEAN EVANS, DAUGHTER OF C. W. EVANS, OF DEPT. A12S, IS PICTURED ABOVE JUST AFTER BEING PRESENTED FLOWERS AND A TROPHY AT HER CORONATION AT THE AMERICAN LEGION'S ARMISTICE DAY DANCE. C. E. BOONE, COMMANDER OF THE OAK RIDGE POST, IS SHOWN HOLDING THE TROPHY.

son City, Tenn., during his vacation, taking in the Burley Bowl Festival in the latter city . . . Helen Grady journeyed away up to Benton Harbor, Mich. (a far piece) to spend a week end with her parents . . . Julian Hackney is staying even closer around by enjoying a vacation in Knoxville . . . Sue Ivans likes the country so she spent the last week end on a farm near Chattanooga hunting . . . Virginia Bowers felt the wanderlust sufficiently to travel up to Newport for a week-end visit to her home.

Dept. A12N wishes a speedy recovery for young Mike Morgan, son of W. L. Morgan. The youngster underwent an appendectomy last Monday . . . Helen Sisson and Ab Monger are back on the job after vacations.

R. D. Freels, of Dept. A13N, is receiving best wishes from fellow employees for a quick recovery from injuries sustained in an automobile wreck. The department also is extending get well quick wishes to C. R. Hunt, A. K. Bowles and L. E. Taylor, all patients in the Oak Ridge Hospital.

Helen Brown, Dept. A12P, was spending her vacation in Nashville and so "just happened" to see the Tennessee-Vanderbilt football game.

Pat Ridge, Dept. A12J (the gadabout), is vacationing with relatives in St. Paul and Minneapolis, Minn. (bet it was cold up there). He will return December 7.

Clarence Johnson, Dept. A13J, and his wife spent a recent week end with his mother in Ellijay, Ga. . . Dept. A12S reports R. E. Austin had as a recent guest his mother-in-law, Mrs. Nell Washburn, from Dallas, Texas . . . J. L. Hamon, of the same department, and Mrs. Hamon spent the week end in Caryville with her parents . . . T. S. Curtis and family ambled up to Kingsport, Tenn., and Gate City, Va., to visit relatives last week.

East Tennessee also called Billie Boyd, Dept. B12C, for a visit last week with relatives in Morristown, Tenn. . . Roscoe Reid and family spent the Thanksgiving week end at (believe it or not, hold on to

## Y-12 Operation Of Railroad Replaces Old L. & N. Services

(Continued From Page 1)

week during the summer months. The switch engine also will handle all cars loaded with materials for the plant.

Area operation of the railroad transportation service began on November 29 and all switching and railroad car hauling will be handled in the future by the small, but powerful locomotive.

## Hopkins Is In Charge

C. B. Hopkins, general foreman of construction and transportation of the Maintenance Division, is in charge of the railroad operations.

Hopkins announced that plans are being drawn for a locomotive pit, where all necessary repairs to the locomotive and cars will be made by Y-12 maintenance forces.

The locomotive will be painted at an early date and Y-12 identification will be put on the sides of the cab, replacing the AEC lettering.

The Y-12 maintenance forces also will be responsible for the road bed and track maintenance.

A man in the insane asylum sat fishing over a flower bed. A visitor approached, and wishing to be affable, asked, "How many have you caught?"

"You're the ninth," was the reply.

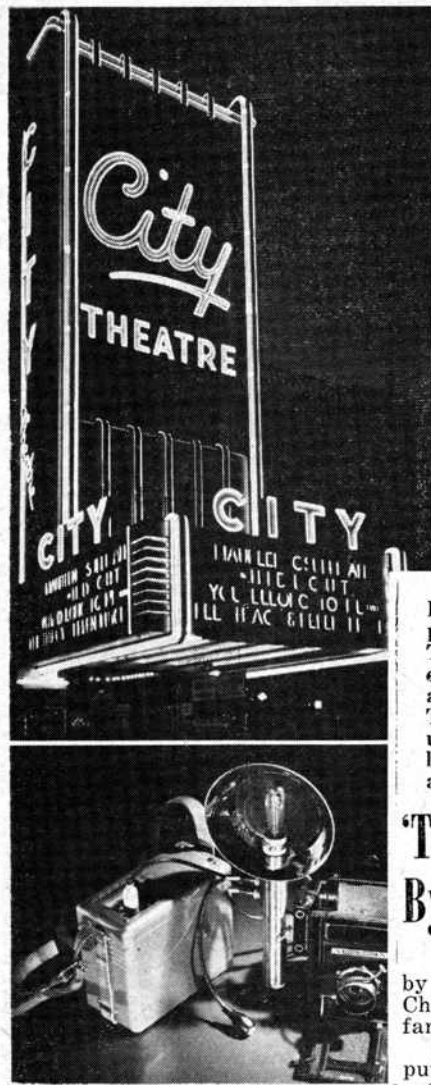
your seats) Oak Ridge, Mo.

M. B. Potter, Dept. M12P, meanwhile, just spent his vacation at home in Oak Ridge, (yeah), Tenn.

Other folks who liked Oak Ridge, just right here in East Tennessee, for vacations were George Leichsenring and Bill Scott, Dept. A13W. However, the lure of far-away places called Bill Tunnell to Petersburg, Fla., and W. R. Callman to Nashville.

Clifford Holt, Dept. A21N, returned from vacation . . . R. Cantrell, Dept. A12L, and family, spent last week end in North Carolina . . . Dept. H12D reports J. D. Flynn is visiting relatives in Mobile, Ala.





SOME OF 'THE NOBLE FIVE' RARE GASES produced by the Linde Air Products Co. are put to public uses, as shown in these pictures. At left neon is used in brilliant signs that bring a bit of Times Square to the smallest of cities. Neon also is used in fluorescent lighting where illumination becomes decoration, as shown above in the glamorous dining room of "The Train of Tomorrow." The xenon filled flash tube shown in the bottom picture can be used 10,000 times, in sharp contrast to the ordinary photoflash bulb which is thrown away after one using. Many Linde products are used in Y-12.

## 'The Noble Five' Rare Gases Produced By Linde Widely Used By Nation's Industry

"The Noble Five" is the name given the five rare gases produced by The Linde Air Products Co., a sister unit of Carbide and Carbon Chemicals Corporation in the Union Carbide and Carbon Corporation family. Why are "The Noble Five" gases described as rare? Well, all five put together make up less than one per cent of the earth's atmosphere—the remaining 99 per cent being oxygen and nitrogen.

### Exceptional Elements Isolated

They are helium, neon, argon, krypton and xenon. They are also rare because they are the only elements that refuse to combine with any other elements to form chemical compounds. Linde is a producer of these gases by separating air into its basic parts and isolating the exceptional elements.

As an example of the rarity of "The Noble Five", consider that Madison Square Garden, the huge indoor sports arena in New York City, contains about 5,000,000 cubic feet of air. In this 5,000,000 cubic feet of air there would be about 47,000 cubic feet of argon, 77 cubic feet of neon, 25 cubic feet of helium, five cubic feet of krypton and only one-half a cubic foot of xenon.

### Liquid Air is Boiled

Linde Air Products Co. processes these gases by liquefying air by a series of compressions and expansions. The liquid air then is boiled and the different gases are taken off at various temperature levels in a large tank called a fractionating column. Some of these fractionating columns may be as much as four stories high.

Now that the gases are separated—what are some of their uses?

Neon, for instance, is used in everything from night lights to prevent toe stubbing in the dark, to the manufacture of welded aluminum rowboats.

Then, each year, about a thousand and million—get that—electric light bulbs are filled with argon.

### Argon Used in Light Bulbs

Argon is placed in electric light bulbs instead of having a plain vacuum because the hot tungsten filament does not vaporize as quickly in argon as in a vacuum. As a result the lamp lasts longer and works more efficiently.

Returning to the use of neon—it is generally believed that light travels in a straight line. However, in neon signs light does not travel in a straight line in the letter "S" of a neon sign. A neon sign really is just a glass tube with electrodes at each end. Air is first pumped out of the tube, then the rare gas or gas mixture is inserted. When a high-voltage electric current is passed through the tube, the gas glows with a color that is peculiar to the gas used.

### All Colors Can Be Produced

Every color in the rainbow is available to users of neon signs—reds, blues, purples, lavenders, greens and yellows. When a clear glass tube is used a choice of reds and blues are available. By using colored glass, and sometimes adding mercury, all the colors can be

## Season Of Common Colds Approaching; Care Urged

(Continued from Page 1)

tive has been found. However, amazing progress is being made in research, and some day someone may hit the jackpot.

Meantime, the most effective weapon against the common cold is—common sense.

### How To Avoid Colds

There are a number of simple rules that will enable anyone to avoid colds. Here are some of them:

Stay out of crowds as much as possible when colds or other infectious diseases are going the rounds.

Do the best you can to avoid direct contact with persons who have colds.

Wash hands with soap and water before eating and use only clean eating and drinking utensils and your own toilet articles.

Eat enough of the right kind of foods.

Get sufficient rest and recreation.

See doctors about chronic infections.

Keep warm and dry and avoid dampness or chilling, especially when over-heated.

Wear clothes suitable to weather conditions and activities.

### If You Have a Cold

If, despite every precaution and the greatest care, a cold is caught—as sometimes happens—here are a few suggestions which should help to speed recovery and prevent more serious complications:

Rest—stay in bed or indoors for the first day or so if possible.

Keep comfortably warm and dry.

Drink plenty of citrus fruit juices, water and other liquids and eat simple foods.

If a cold starts with chills, fever or aching be sure to see a physician immediately.

Persons in good health stand a better chance of resisting the onslaughts of a common cold. Regular medical checkups are advisable and prompt visits to doctors when illness occurs are urged to maintain that good health.

...en, portly man was endeavoring to get to his seat during a circus performance. "Pardon me," he said to the man. "Did I step on your feet?" "Research," must have been you," she replied. "All elephants are in a country ring."

## Major League Group Reports Perfect Mark

The plant absentee average dropped .3 per cent for the week ending November 28 from the preceding week's report. The .3 per cent drop made the weekly average 2.3 per cent. The all time plant low was established at two per cent and has been tied once.

### Dept. A12M Perfect

Dept. A12M, Manufacturing Offices, reported all of its personnel present for a perfect mark in the Major League. They moved up from eighth place to first place in the league standing.

Second place was taken by Dept. A14N, Electrical Equipment, Repair and Maintenance, with a report of .3 per cent. Dept. B12H, Refining, copped third place in the Major League with .7 per cent of its personnel absent.

The Major League group absentee percentage remained the same as the preceding week despite the low marks made by the league leaders.

### Six Groups Perfect

Six departments in the Minor League reported perfect attendance. They include Dept. A13S, Tools; Dept. A12L, Employment; Dept. A21N, Special Facilities; Dept. A12D, Medical; Dept. A12T, Automotive Repair; and Dept. A15N, Experimental Process, Equipment and Maintenance.

Dept. B12A, Superintendents, captured second place in the Minor League with .8 per cent of its personnel absent. Third place was taken by Dept. A12R, Cafeteria and Canteens; with a .9 per cent absentee report.

The complete record of Y-12 absenteeism for the week ending November 28 by departments follows:

Dept.	MAJOR LEAGUE		
	Percentage Absent	Standing 11-28-48	Standing 11-21-48
A12M	0.0	1	8
A14N	0.3	2	3
B12H	0.7	3	2
M12P	1.69	4	4
A12G	1.72	5	5
A13N	2.2	6	7
A20N	2.3	7	6
A16N	2.4	8	10
H12D	2.58	9	12
H12E	2.64	10	11
A17N	3.0	11	6
B13L	3.1	12	8
A12S	3.7	13	13
H12L	4.6	14	9
B12C	4.7	15	1
B12L	6.8	16	14

Group absentee percentage was 2.5 per cent, remaining the same as the preceding week.

Dept.	MINOR LEAGUE		
	Percentage Absent	Standing 11-28-48	Standing 11-21-48
A13S	0.0	1	1
A12L	0.0	1	1
A21N	0.0	1	1
A15N	0.0	1	1
A12D	0.0	1	1
A12T	0.0	1	5
B12A	0.8	2	4
A12R	0.9	3	1
A14J	1.17	4	2
A12N	1.19	5	1
M12S	1.4	6	3
A13W	2.0	7	9
A12A	3.0	8	6
A12P	4.0	9	11
A13T	4.3	10	7
A19N	4.7	11	12
A12W	5.1	12	10
M12M	6.9	13	8

Group absentee percentage was two per cent, .7 per cent lower than the preceding week.

The plant average for the week ending November 28, 1948, was 2.3 per cent, .3 per cent lower than the preceding week.



## Proper Badge Wearing Urged In Y-12 Plant

(Continued From Page 1)

plant area. Such a practice also makes it possible for the badge to be stolen and possibly used by some unauthorized person to gain illegal entry into the plant.

The Security Office has issued the following suggestions regarding wearing and protection of badges:

1. Always wear your badge in plain sight while in the Y-12 area.
2. Protect your badge at all times to prevent its loss and illegal use by unauthorized persons.
3. Never lend your badge to another employee.
4. Never use the badge of another employee.
5. Immediately report a lost badge to the Y-12 Badge and Pass Office which will replace it.
6. Have damaged badges repaired at the Badge and Pass Office.
7. Keep your badge on your person at all times—never leave it on garments placed on hangers, in lockers or elsewhere. Badges found in improper places are subject to be taken up and sent to the Badge and Pass Office.
8. Report to the Security Office or Supervision any apparent improper use of wearing of a badge.

## City Dump Flavored With Fine Liquors

Oooh, no not that! A bulldozer crushed 5,508 fifths of Portuguese brandy and 7,276 fifths of Cuban whiskey on a city dump in Indianapolis recently after no one offered to pay the \$10,600 Federal liquor sales tax.

The brandy and whiskey were seized in 1944 because the tax was not paid by its Indiana buyers. Customs officials offered the liquor at three public auctions but no one appeared who wanted the entire lot, which was the only way customs could sell it.

Learn from the mistakes of others—you can't live long enough to make them all yourself—

Biltmore Waiter: "Want soup?"  
Bill Rogers: "Is it good soup?"  
Waiter: "Sure; fourteen carrot."

## Application For Tickets To

### Christmas Party For Children Of Y-12 Employees

#### Two To Ten Years, Inclusive

EMPLOYEE'S NAME \_\_\_\_\_ BADGE NO. \_\_\_\_\_

HOME ADDRESS \_\_\_\_\_

NUMBER OF TICKETS NEEDED If parents included, please indicate \_\_\_\_\_

#### -- NAMES --

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_  
4. \_\_\_\_\_ 5. \_\_\_\_\_ 6. \_\_\_\_\_

Please return this form, properly filled out, immediately to the Y-12 Recreation Office, North Portal. Required number of tickets will be mailed to parents at their HOME ADDRESS.



CARBIDE AND CARBON  
CHEMICALS CORPORATION  
P. O. Box P.  
Y-12 Area  
Oak Ridge, Tenn.  
(RETURN POSTAGE GUARANTEED)

Sec. 562, P.L.&R.  
U. S. Postage  
PAID  
Oak Ridge, Tenn.  
Permit No. 3

## Y-12 Robins Blast K-25 Sextet In Basketball Preliminary Game

The Y-12 Robins shot their way to a 25-14 victory over the K-25 girl's basketball team last week at the new Jefferson Junior High School gymnasium in a preliminary game before the K-25 men's team battled the Whiskered Wizards of Florida.

The Robins had a comforting 17 to 5 lead at half time and continued to hold the reins throughout the game. The Robin's substitutions did not hamper the excellent quality of play exhibited by the first line players.

### Starters Listed

Starting forwards for Y-12 were Helen Brown, Shirley Brown and Joan Gilliam. Virginia Bowers, Frankie Rose and Hazel Butler were the initial guards for the Robins.

Substitutions for the Robins include Katherine Jenkins, Lillian Hamlet, Nancy Evans, Jean Lynch, Margaret Johnson and Kay Penland.

### Brown High Scorer

Helen Brown hit the bucket for eight points to lead the Robins in scoring. Joan Gilliam was the second highest point maker for the winners with six. Shirley Brown handled the pivot spot like a veteran and scored four points.

Frankie Rose scored five points and Katherine Jenkins tallied two. Hazel Butler took advantage of her height and of K-25 on defensive rebounds. Joan Gilliam took care of the offensive rebounds for Y-12.

### Rose Hawks Ball

Frankie Rose hawked the ball all during the game and Virginia Bowers played her usual good game.

The Robins will venture to Jellico on January 3 to play the girl's team there. The Oak Ridge Women's Basketball League will open on December 27. Four teams will comprise the league. They include Y-12, K-25, ORNL, and Roane-Anderson.

## Standings In Plant Bowling Leagues

B LEAGUE				
Team	W	L	Team	W L
Rippers	35	15	Cubs	23 25
W'peckers	31	17	Bums	22 26
All Stars	30	18	Mules	21 27
Wolves	27	21	Dept. A12M	19 29
Maintenance	25	23	Head Pins	17 31
Comets	25	23	One-91	14 34
C LEAGUE				
Team	W	L	Team	W L
K'busters	35	17	Thin Pins	27 25
Mat'lizers	33	19	Hooks	25 27
Bldg. 9206	31	21	Guards	17 35
Moles	29	23	Orphans	11 41
D LEAGUE				
Team	W	L	Team	W L
Splinters	11	1	Woodchoppers	5 7
Strikers	9	3	Scotties	5 7
Overheads	5	7	Old Men	5 7
Pin Busters	5	7	Termites	3 9
H12L LEAGUE				
Team	W	L	Team	W L
Cherry Pick.	23	9	Jim Crows	13 19
Beetle Baums	16	16	Apple Knock.	12 20
W LEAGUE				
Team	W	L	Team	W L
Beta P.-Ups	12	6	W. Rollers	10 8
Controllers	11	7	Dodgers	6 12
Hi Balls	10	8	Kemps	5 13

## Canadian Atomic Pile Claimed Best

A recent news story from Ottawa, Canada, quotes Dr. C. J. Mackenzie, chairman of Canada's atomic energy board, as saying the Chalk River, Ont., atomic energy pile was the best of its type in the world. Dr. Mackenzie said the Chalk River pile was unsurpassed in the heavy water class and that American piles are mostly graphite.

## B Pin League Sets Roll Off Thursday

A roll off is slated for the B Bowling League on Thursday night. The only clean sweep made in last week's play was by the Bums who won four from the Head Pins.

The league-leading Rippers lost three points to Maintenance while the Wolves defeated the One-91ers by three points.

The Woodpeckers topped the All Stars for three points and the Comets won three from the Mules. The other league game gave the Dept. A12M team a three point win over the Cubs.

Maintenance won the high team handicap single game with 1,021 pins. They also captured the series high in the handicap class with 2,881 pins.

Individual highs gave Schmitt, of the Bums, a 237 in the handicap single class and Arnold Tiller, of Maintenance, a 622 in the handicap series class.

## Plant Cagers Will Open Play December 13

The Y-12 intra-plant basketball league will open the 1949 season on December 13 at the Scarboro School gymnasium, according to Arnold Tiller, Recreation Supervisor for Y-12.

A final organizational meeting will be held in the Y-12 Recreation Office at the North Portal at 3 p. m. Thursday, December 9.

All teams planning on entering the plant league must send a representative to this meeting.

Only four teams have indicated that they will enter the league as of December 3. There were nine teams entered in the plant league in 1948.

The Rough House quintet won the plant league championship last year and the Guards captured the tournament. Tiller announced that if no more than four teams enter the Y-12 league, the Recreation Office will attempt to arrange contests with other plant teams on the area.

## Cherry Pickers Still Ride High In H12L Pin Loop

The Cherry Pickers plucked again last Thursday night in the Dept. H12L League. This time it was the Jim Crows who were taken to the cleaners for four points in bowling action.

The Apple Knockers won three points from the Beetle Baums in the other league match.

The Jim Crows won honors while losing to the Cherry Pickers. They were high in the scratch single team class with 666, high individual scratch on Shaffer's 172 and high in the individual handicap class on Wilkerson's 206.

The height of something or other is a dumb girl turning a deaf ear to a blind date.

## SPORTS

### Skirtnansky Rolls 278 For High In C League

The Bldg. 9206 keggers nipped the league leading Knucklebusters for three points in last week's C League bowling play.

The victory for 9206 shortened the Knucklebusters lead to two points. The Materializers remained in the No. 2 slot and edged nearer to the Knucklebusters by blanking the Orphans for four straight points.

Skirtnansky, of the Thin Pins, broke the season's high record in the individual high handicap single class by scoring 278. He also captured the high scratch single class with 254 pins.

Skirtnansky accounted for seven strikes, two spares, and nine pins plus a spare and six points in the tenth frame.

### Hooks Blank Guards

Other league matches played in last week's play gave the Hooks four points over the Guards and the Thin Pins three points over the Moles.

The Thin Pins won the team high handicap single with 992 pins and the Materializers captured the series high in the same class with 2,882 pins.

Thomas, of the Guards, bowled 626 for high individual series score.

## Splinters Lead Loop With Only One Defeat

The Splinters continued their master role in the D Bowling League last week by trouncing the Overheads for four consecutive points to bring their points won score to 11 against one lost.

### Three-Way Tie Broken

The three-way tie which existed previous to last week's play for second place in the league was broken by the Strikers, who blanked the Pin Busters for four points. However, a five-way tie developed for the No. 3 slot.

The Scotties captured three points from the Woodchoppers and the Termites lost three points to the Old Men.

### Termites, Strikers Win Honors

The Termites won both scratch honors for the singles and series classes with 801 pins and 2,249 pins respectively. The Strikers took the team high single honors with 982 pins and the team high series class with 2,785 pins.

Gordon, of the Splinters, won the high individual single scratch game, with 199 pins, while the series scratch game was taken by ZaBenco with 535 pins.

Gordon also topped the single handicap class with 231. The series handicap was won by ZaBenco with 634 pins.

## Pick-Ups And Controllers Top Scorers In Women's Pin Loop

The Beta Pick-Ups, Hi Balls and Dodgers were in the win column in the women's plant league bowling play last Thursday night.

The Pick-Ups took two points from the Controllers, the Hi Balls won two from the Kemps and the Dodgers captured two from the Wholly Rollers.

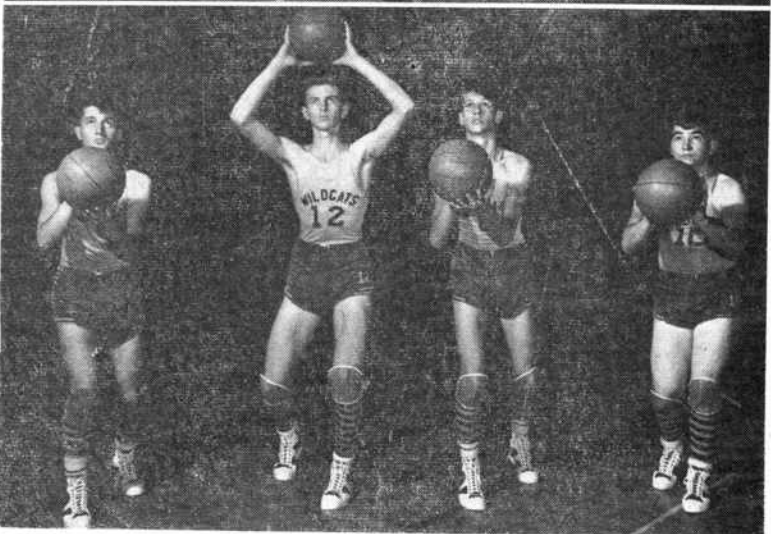
The Pick-Ups were high in the team series handicap class with 2,254 pins and the Controllers were winners in the team high single handicap class with 744 pins.

Saine, Controllers, was high in the individual handicap single games with 218 and Bow, of the Wholly Rollers, was on top with 570 pins in the individual high handicap series.

### COURAGEOUS COWS

A news dispatch from Marengo, Wis., has reported that farmers from that vicinity claim owning the toughest cows in the nation. One declared seeing 12 head of young cattle "gang up" on a bear and chase it more than 500 yards into the woods.

## NEWS IN Y-12



THE PRETTY LASSIES PICTURED AT TOP ARE MEMBERS of the Leaders' Club at the Oak Ridge High School, which is composed of outstanding girl athletes at the school. The girls shown above are all daughters of mothers or fathers who are employed at Y-12. From left to right are Joan Gilliam, daughter of Frances Gilliam; Betty Childress, daughter of R. R. Childress; Nancy Montgomery, daughter of J. C. Montgomery; Mary Chase, daughter of I. A. Chase; Betty Stewart, daughter of A. C. Stewart; Barbara Hoose, daughter of Walter Hoose; Nanette Keese, daughter of Harvey Keese; and Della Brady, daughter of E. O. Brady. The basketball players pictured at bottom are sons of Y-12 employees and members of the Oak Ridge High School varsity team. Shown from left to right are Bob Helton, son of Robert Helton; Joe Lister, son of J. M. Lister; Richard Garland, son of J. W. Garland, and E. B. Hopkins, son of C. B. Hopkins.

## Varsity Bowlers Drop One Notch In Loop Standing

Varsity bowlers for Y-12 in the Oak Ridge City League dropped one notch in the league standing as a result of losing three points to the Clinch Radio five.

The Y-12 men now are in fifth place with a 30 won and 18 lost record. The Radio team topped the Y-12ers in two games and on the total score.

### K-25 Holds Lead

K-25 remained in the league lead by blasting the last place Fairchild club for four points. Cobble was the high point man for Y-12. He amassed 544 pins for his series score. Duncan was second with 538 pins. Other Y-12 keggers and their series scores follow: Pletz 511, Tibbatts 518 and Whittaker 531.

### Roll Off Slated

The roll off was slated for last night's play in the league and the Y-12ers were to meet the Clinch Radio bowlers again.

### League standing follows:

Team	W	L	Team	W L
K-25	37	11	Monroe	24 24
Allards	34	14	ORNL	21 27
A'dres'graph	32	16	R-A	18 30
Marot	31	17	S & B	17 31
Y-12	30	18	Grocers	15 33
Clinch Radio	25	23	Fairchild	4 44

## State Novelist Finishes New Book

Tennessee novelist Mrs. Helen Topping Miller has completed another book, "Trumpet In The City," with the setting in Savannah, Ga., according to a recent news dispatch from Morristown, Tenn. Mrs. Miller lives at Arrowhill, near Morristown.

"Trumpet In The City" is Mrs. Miller's 31st novel. It is dedicated "to Robbie Black, whose years of faithful service is written down in God's Book."

Don't let home mishaps make you miss happiness.

## 'Liger' Cub Seen At Salt Lake Zoo

Visitors to the Salt Lake City, Utah, zoo now are given an opportunity to see the zoo's "liger" cub, a rare cross between a tiger and a lion. The cub is on exhibition only two hours a week at the Hogle Garden Zoo.

The animal is believed the one ever born of a tiger mother. Zoo officials say the other known tiger-lion hybrids now living have been born of lion mothers.